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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/577,547	05/24/2000	Cornelis G.M. Van Asma	PHn 17,450	5029

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PHILIPS INTELLECTUAL PROPERTY & STANDARDS  
P.O. BOX 3001  
BRIARCLIFF MANOR, NY 10510

EXAMINER

TRAN, TRANG U

ART UNIT	PAPER NUMBER
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2614

DATE MAILED: 07/16/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/577,547

Applicant(s)

VAN ASMA, CORNELIS G.M. 

Examiner

Trang U. Tran

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 April 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on June 04, 2003 has been entered.

### ***Response to Arguments***

2. Applicant's arguments with respect to claims 1-10 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Werner, William B. (EP 0 840 522).

In considering claim 1, Werner, William B. discloses all the claimed subject matter, note 1) the claimed processing means for processing the input signal to the output data signal is met by the decoding engine 24 or the scaling engine 25 (Fig. 3, col. 5, lines 25-51 and col. 6, lines 27-54 and col. 7, lines 41-57), 2) the claimed memory

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means for storing the input signal prior to supply to said processing means is met by the share memory 33 (Fig. 3, col. 5, line 52 to col. 6, line 26 and col. 7, lines 41-57), and 3) the claimed a memory manager coupled with the processing means and the memory means, the memory manager being arranged to transfer the input data signals to the memory means and to transfer the stored input data signal from the memory means to the processing means, respectively, characterized in that an output of the processing means is coupled to an input of the memory manager, and in that the memory manager is further arranged to transfer the output data signal from the processing means to the memory means for storing the output data signal, and to transfer the stored output data signal from the memory means to the display unit is met by the memory manager 22 of the video processing unit 13 and the video processing unit 13 which decompresses the data and scales (re-sizes) the resulting image to match the display resolution of SLM 16 (Figs. 1 and 3, col. 5, line 52 to col. 6, line 11 and col. 7, lines 41-57).

In considering claim 2, the claimed wherein the memory manager is further arranged to transfer the stored data output signal from the memory means to the processing means, and said processing means is further arranged to execute a further operation on the stored data output signal is met by the decoding engine 24 or the scaling engine 25 (Fig. 3, col. 5, lines 25-51 and col. 6, lines 27-54 and col. 7, lines 41-57).

In considering claim 3, the claimed wherein said processing means and said memory manager are arranged to execute different processes in time multiplex is met by col. 5, lines 35-56.

In considering claim 4, the claimed wherein said processing means, said memory manager and the memory means are comprised on a single integrated circuit is met by Fig. 3, col. 7, lines 41-57.

In considering claim 5, the claimed wherein said processing means is arranged to resize an image represented by said input data signal is met by the scaling engine 25 (Fig. 3, col. 6, line 55 to col. 7, line 40 col. 7, lines 41-57).

In considering claim 6, the claimed wherein said processing means is further arranged to convert said input data signal representing an image into a color-sequential output signal is met by the SLM 16 which generates an image for each of three different colors of a picture and these three images are sequentially displayed through a color wheel 17 (Fig. 1, col. 4, line 38 to col. 5, line 20).

In considering claim 7, the claimed wherein said processing means is arranged to convert said input data signal representing an image into a sub-field modulated output signal for controlling the display unit is met by the pulse-width modulation techniques (col. 1, line 13 to col. 2, line 27).

In considering claim 8, the claimed wherein a part of the memory means is arranged as a cyclic memory for storing a part of an image represented by the input data signal is met by the memory 33 (Fig. 3, col. 6, lines 12-26 col. 7, lines 41-57).

In considering claim 9, the claimed wherein the memory manager has a further input for a second data input signal, and the memory manager is arranged to transfer the second data input signal to the memory means is met by the memory manager 22

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which receives the control signals from the decoding engine 24 (Fig. 3, col. 5, lines 46-51, col. 6, lines 21-26 and col. 7, lines 41-57).

In considering claim 10, the claimed a digital video-processing unit having an output for providing the output data signal and a display system coupled to the output of said digital video-processing unit for displaying of said output data signal is met by the display optics 18 and the screen (Fig. 1).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Trang U. Tran** whose telephone number is **(703) 305-0090**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **John W. Miller**, can be reached at **(703) 305-4795**.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**or faxed to:**

**(703) 872-9314 (for Technology Center 2600 only)**

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).


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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

TT VT  
July 13, 2003

  
MICHAEL H. LEE  
PRIMARY EXAMINER